

Title (en)
METHOD OF ESTIMATING BACKWARD MOTION VECTORS WITHIN A VIDEO SEQUENCE

Title (de)
VERFAHREN ZUR SCHÄTZUNG VON RÜCKWÄRTSBEWEGUNGSVEKTOREN IN EINER VIDEOSEQUENZ

Title (fr)
PROCEDE D'ESTIMATION DE VECTEURS DE MOUVEMENT VERS L'ARRIERE DANS UNE SEQUENCE VIDEO

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Application
EP 03746021 A 20030114

Priority
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• US 11262302 A 20020329

Abstract (en)
[origin: US2003185304A1] A method of speeding the computation of backward motion vector estimates which are derived from fields which are available from forward motion vector estimates as based on nearest neighbor criterion. The method allows for the generation of multi-frame backwards motion vectors. The invention of the present method for estimating backward motion vectors is particularly well-suited for use with the MPEG-2 video standard.

IPC 8 full level
H04B 1/66 (2006.01); **H04N 19/50** (2014.01); **G06T 7/20** (2006.01); **H03M 7/36** (2006.01); **H04N 5/14** (2006.01); **H04N 19/105** (2014.01); **H04N 19/139** (2014.01); **H04N 19/196** (2014.01); **H04N 19/503** (2014.01); **H04N 19/513** (2014.01)

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H04N 5/145 (2013.01 - EP US); **H04N 19/51** (2014.11 - EP KR US); **H04N 19/56** (2014.11 - EP US); **H04N 19/577** (2014.11 - EP US); **H04N 19/61** (2014.11 - EP US)

Citation (search report)
• [X1] US 5786860 A 19980728 - KIM MIN-KYU [KR], et al
• [XA] WO 9521503 A1 19950810 - BRITISH BROADCASTING CORP [GB], et al
• [XA] KOZU S ET AL: "A new technique for block-based motion compensation", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (ICASSP). SPEECH PROCESSING 1. ADELAIDE,, vol. v, 19 April 1994 (1994-04-19) - 22 April 1994 (1994-04-22), pages V/217 - V/220, XP010133731, ISBN: 978-0-7803-1775-8
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• [A] JEONGNAM YOUN ET AL: "A fast motion vector composition method for temporal transcoding", IEEE CIRCUITS AND SYSTEMS, IEEE, ORLANDO, FL, vol. 4, 30 May 1999 (1999-05-30), pages 243 - 246, XP010341235, ISBN: 978-0-7803-5471-5, DOI: 10.1109/ISCAS.1999.779987

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